ORDER NO. TD91040399C2

Service Manual

FO 19

Radio Cassette

RQ-V162

Stereo Radio Cassette Player

※

DOLBY SYSTEM

Color

(K)····· Black Type

Area

Country Code	Areas	Color
[E]	Continental Europe.	(K)
[EG]	F.R. Germany/ Italy.	

■ SPECIFICATIONS

General:

Power Requirement:	Battery; 3V (Two "AA" size, R6/LR6 batteries)
	AC; with optional Panasonic AC adaptor RP-AC33
Power Output:	40mW (20mWx2)···RMS (max.)
Input:	DC IN; 3V (⊖◉⊕)
Output:	Headphones; 20Ω, φ3.5
Dimensions:	87.8(W)x121(H)x34.6(D)mm
Weight:	246g without batteries

Radio Section:

Radio Frequency Range:	FM 87.5~108MHz
	AM 520~1610kHz
Intermediate Frequency:	FM 10.7MHz
	AM 459kHz
Sensitivity:	FM 2.5μV/0.5mW output (−3dB Limit, Sens)
	AM; 120μV/m/0.5mW output

Tape Deck Section:

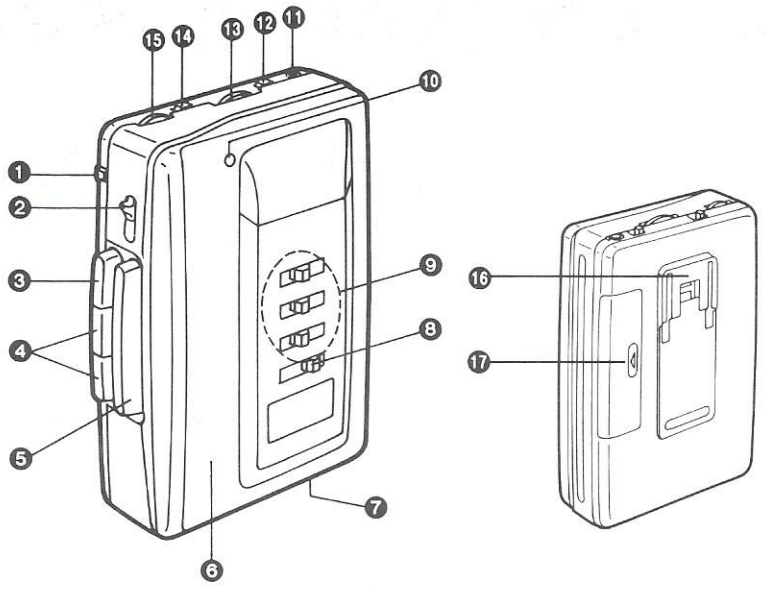
Frequency Response:	50~14,000Hz (Normal, CrO_2/Metal)
Tape Speed:	4.8cm/s
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track, 2-channel, stereo playback

Notes:

1. Weights and dimensions shown are approximate.
2. Design and specifications are subject to change without notice.

Panasonic

■LOCATION OF CONTROLS



❶ **Function selector (SELECTOR) [FM/AM/TAPE OFF]**
Turn this selector to select the sound source.
❷ **Direction selector (DIR) [FWD/REV]**
Turn this selector to select the playback side of the tape.
❸ **Stop button (STOP/■)**
❹ **Fast buttons (FAST/◀◀ • ▶▶)**
Press one of these buttons to fast forward or rewind the tape.
❺ **Playback button (PLAY/◀▶)**
Press this button to playback a tape.
❻ **Cassette compartment cover**
❼ **DC input jack (DC IN 3 V ⊖—◉—⊕)**
❽ **XBS level control (XBS LEVEL)**
❾ **Graphic equalizer controls [300Hz/1kHz/10kHz]**
❿ **FM stereo indicator (FM STEREO)**
⓫ **Headphones jack (∩) [20Ω, φ3.5]**
⓬ **Dolby* noise reduction switch (DOLBY NR) [OFF/ON]**
⓭ **Tuning control (TUNING)**
⓮ **Tape/FM sensitivity selector (TAPE/FM SENS) [NOR/DX, CrO_2 MTL /LOCAL]**
When FM broadcast reception, this is helpful for receiving FM broadcast clearly.
When tape playback, select the playback tape type. (normal, CrO_2, or Metal type)
⓯ **Volume control (VOLUME)**
⓰ **Belt clip receptacle**
⓱ **Battery compartment cover**

*Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

■ DISASSEMBLY INSTRUCTIONS

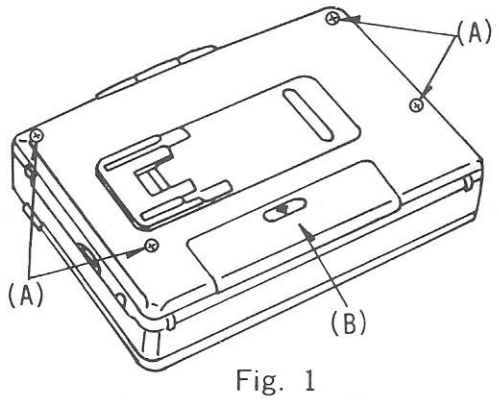


Fig. 1

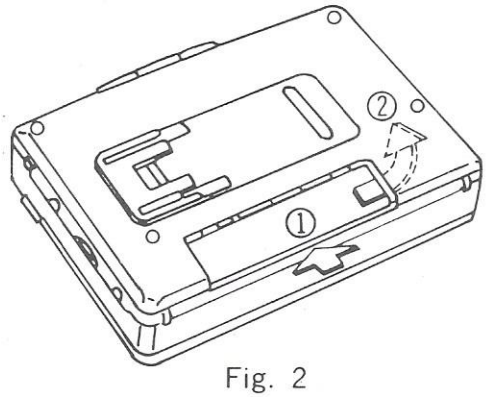


Fig. 2

●Removal of the Rear Cabinet

1. Remove the screws (A) (2×10)mm×4
2. Open the battery cover (B)×1
3. Remove the rear cabint in the direction of arrow①&②.

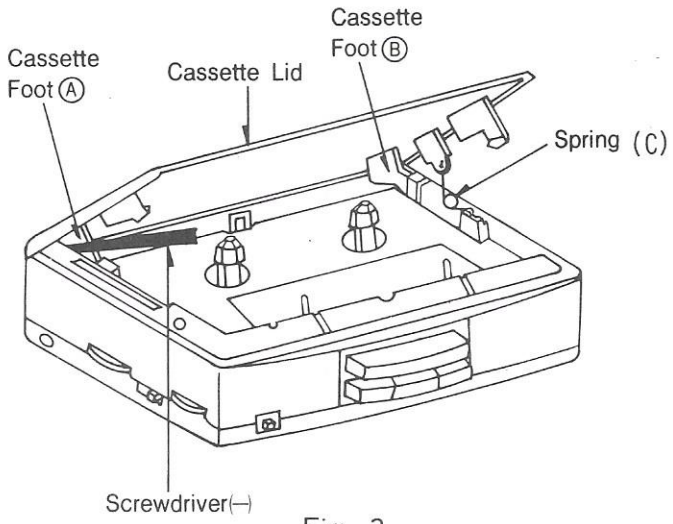


Fig. 3

●How to Removal of the Cassette Lid

Note: Be careful not to break cassette foots Ⓐ and Ⓑ when removing the cassette lid.

1. Open the cassette lid.
2. With a screwdriver, push cassette foot Ⓐ to the right as shown in Fig. 3, and then pull out the right side of the cassette lid.
3. Push cassette foot Ⓑ to the left and then pull out the cassette lid.
4. Remove the spring. (C)×1.

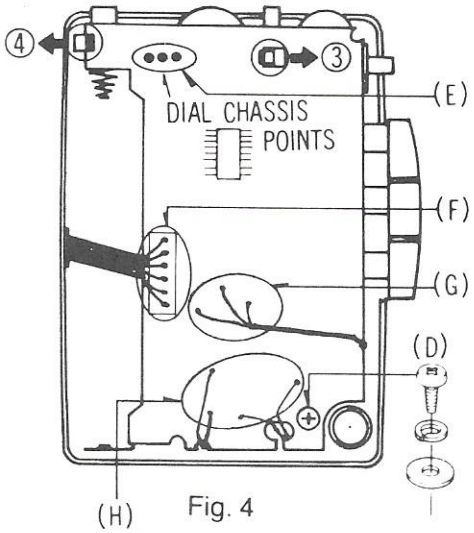


Fig. 4

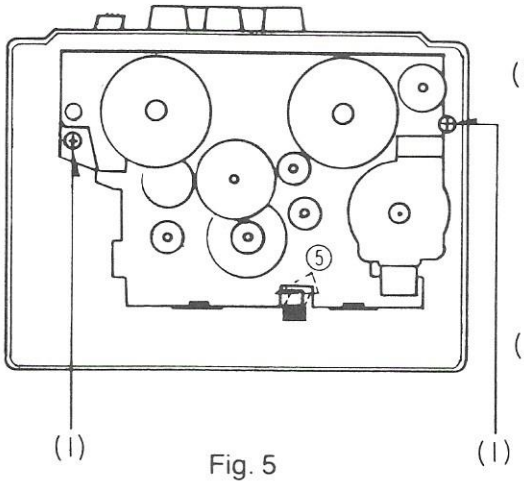


Fig. 5

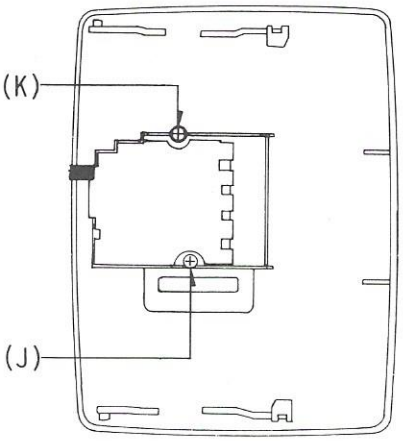


Fig. 6

● Removal of the Dial Chassis and Circuit Board (Fig. 4.).

1. Remove the chassis screw (D) (2×16)mm×1.
2. Disconnect the solder (E).
3. Remove the dial chassis in the direction of arrow ③, ④.
4. Remove the solder (F), (G), (H) from flexible P.C.B.

● Removal of the Front Cabinet and Mechanism (Fig. 5)

1. Remove the deck screws (I) (2×6)mm×2.
2. Remove the front cabinet & mechanism in the direction of arrow ⑤.

● Removal of the Cassette Holder & Graphic Equalizer PC board. (Fig. 6)

1. Remove the screw(J)(1.4×3.5)mm×1.
2. Remove the deck screws (K) (2×6)mm×1.

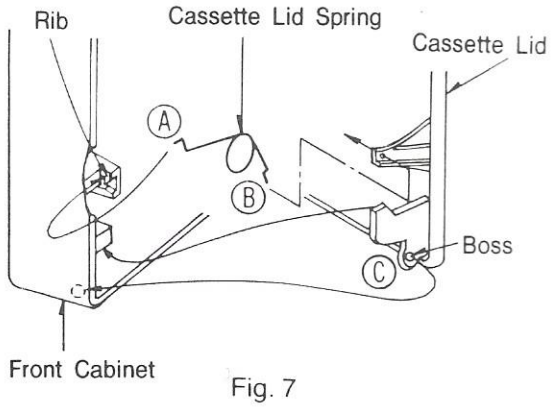
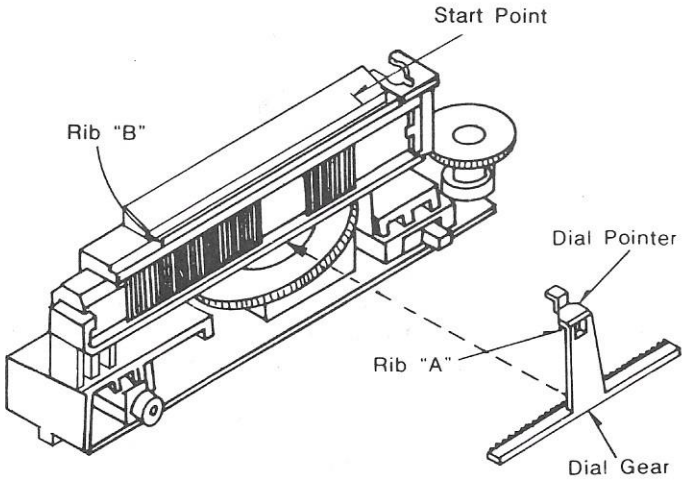


Fig. 7

● How to Replace the Cassette Lid Spring (Fig. 7)

1. Fit Part Ⓐ on the rib of the front cabinet.
2. Insert part Ⓑ in the hole in the cassette lid.
3. Fit the boss Ⓒ in the front cabinet.

● TO Removal of Tuning Gear



1. Firstable turn the tuning shaft of the variable capacitor counter clockwise, to the end.
2. Second, before pointer be installed on chassis, pointer must be setted as shown.
3. Thire to in stalle pointer, inserted pointer by rib "A" to rib "B" of chassis.
4. Set the dial pointer to start point.

■MEASUREMENTS AND ADJUSTMENTS

● ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1. Set volume control to maximum. 2. Set band selector switch to AM or FM. 3. Set band selector switch to radio or tape. 4. Set Tape Selector Switch to normal. 5. Set power source voltage to 3.0V DC.	6. Output of signal generator should not be higher than necessary to obtain an output reading. 7. Make sure heads are clean. 8. Make sure capstan and pinch roller are clean.

● TUNER SECTION

AM ADJUSTMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
		AM-IF ALIGNMENT					
(1)	AM	Fashion a loop of several turns of wire and radiate the signal into the loop antenna of the receiver.	459kHz 30% Mod. at 400 Hz	Point of non-interference. (on/about 600kHz)	Headphones Jack (20Ω) (Fabricate the plug as shown in Fig.3. and then connect the lead wires of the plug to the measuring instrument.	T1 (AM IFT)	Adjust for maximum output.
		AM-RF ALIGNMENT					
(2)	AM	〃	511kHz···[E] only 516kHz···[EG] only	Tuning capacitor fully closed.	〃	L2 (AM OSC Coil)	Adjust for maximum output.
(3)	AM	〃	1650kHz···[E] only 1635kHz···[EG] only	Tuning capacitor fully open.	〃	CT3 (AM OSC Trimmer)	〃
(4)	AM	〃	550kHz	Tune to signal.	〃	(*1) L1 (AM ANT Coil)	Adjust for maximum output. Adjust L1 by moving coil bobbin along ferrite core.
(5)	AM	〃	1,500kHz	〃	〃	CT4 (AM ANT Trimmer)	Adjust for maximum output. Repeat steps (2)~(5).

(*1) Fix antenna coil with wax after completing alignment.

FM ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
		FM-RF ALIGNMENT					
(1)	FM	Connect to test point ▼2 through FM dummy antenna. Negative side to test point ▼1.	86.2MHz···[E] only 87.4MHz···[EG] only	Variable capacitor fully closed.	Headphones Jack (20Ω) (Fabricate the plug as shown in Fig.3. and then connect the lead wires of the plug to the measuring instrument.	L4 (FM OSC Coil)	(*2) Adjust for maximum output.
(2)	FM		109.3MHz···[E] only 108.35MHz···[EG] only	Variable capacitor fully open.		CT1 (FM OSC Trimmer)	〃
(3)	FM		90MHz	Tune to signal.		L3 (FM ANT Coil)	〃
(4)	FM		106MHz	〃		CT2 (FM ANT Trimmer)	(*2) Adjust for maximum output. Repeat steps (3)~(6).

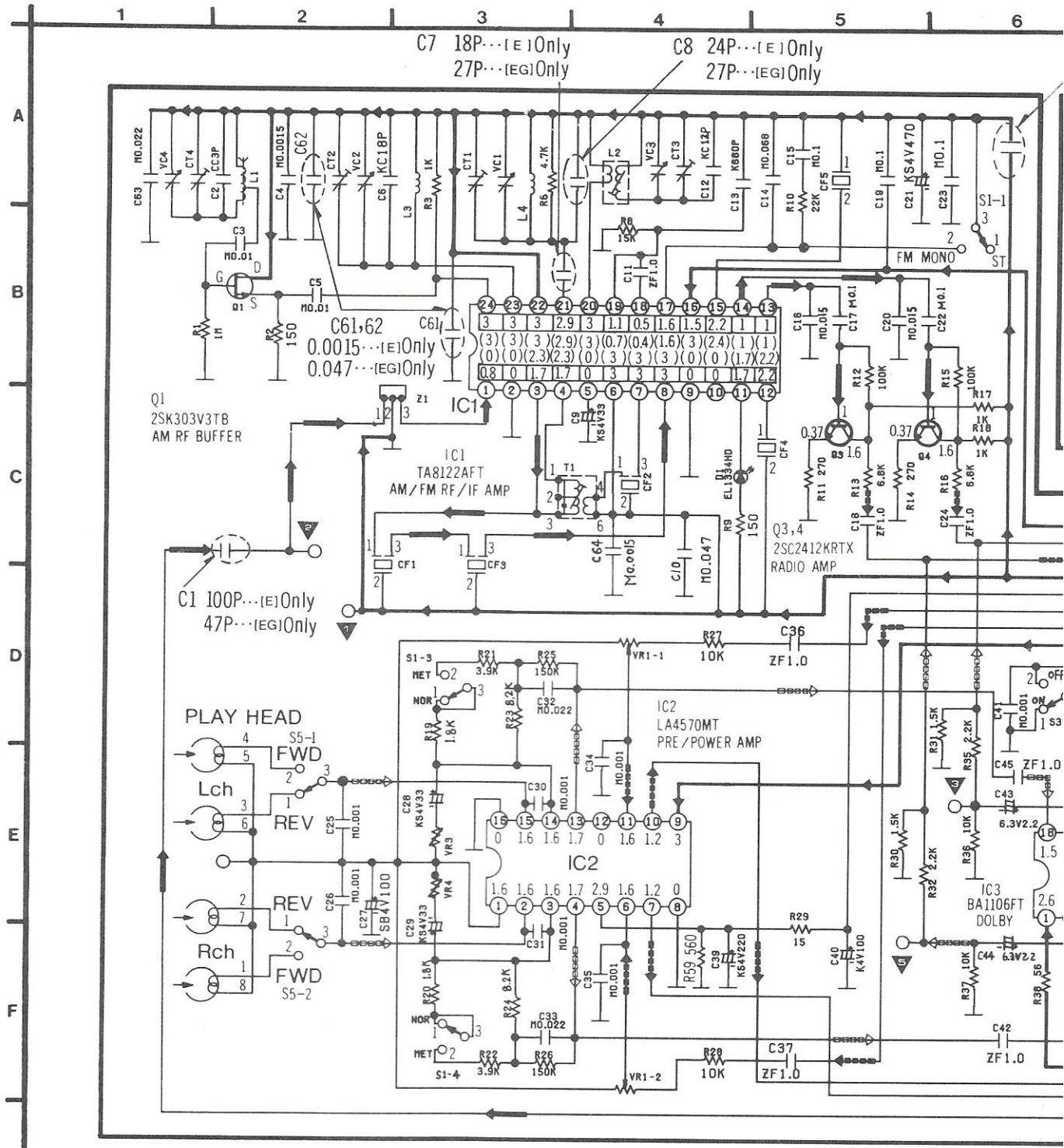
(*2) Three output responses will be present; proper tuning is the center frequency.

● TAPE DECK SECTION

ITEM	INPUT	MEASUREMENT POINT	ADJUSTMENT	PROCEDURE
Azimuth	QZZCFM (8kHz, −20dB)	Headphones Jack (20Ω) (Fabricate the plug as shown in Fig. 3 and then connect the lead wires of the plug to the measuring instrument.	Azimuth adjustment screw (Refer to Fig. 2)	Adjust the azimuth adjustment screw during repeated forward and reverse playback to obtain the maximum head azimuth alignment with both channels equal. Then screw-lock the adjustment in place.
Tape speed	QZZCWAT (3kHz, −10 dB)		VR2 (Fefer to Fig. 1)	Playback the central part of the tape and adjust VR2 so that the tape speed is as follows. 3000±60Hz (Forward & Reverse)

wan
MA

■SCHEMATIC DIAGRAM

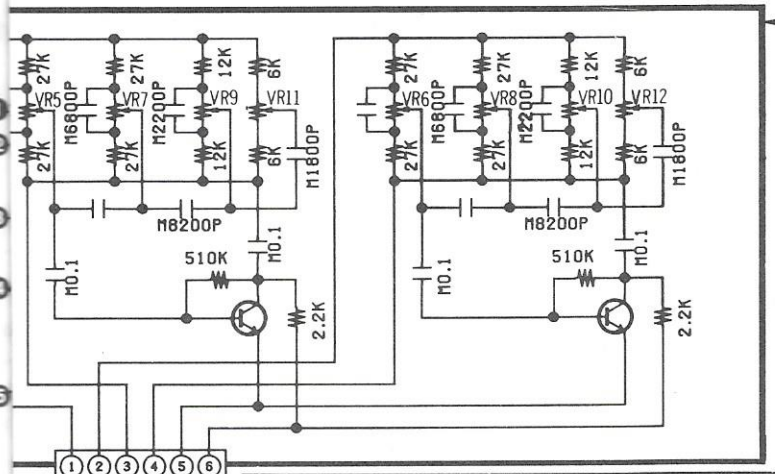


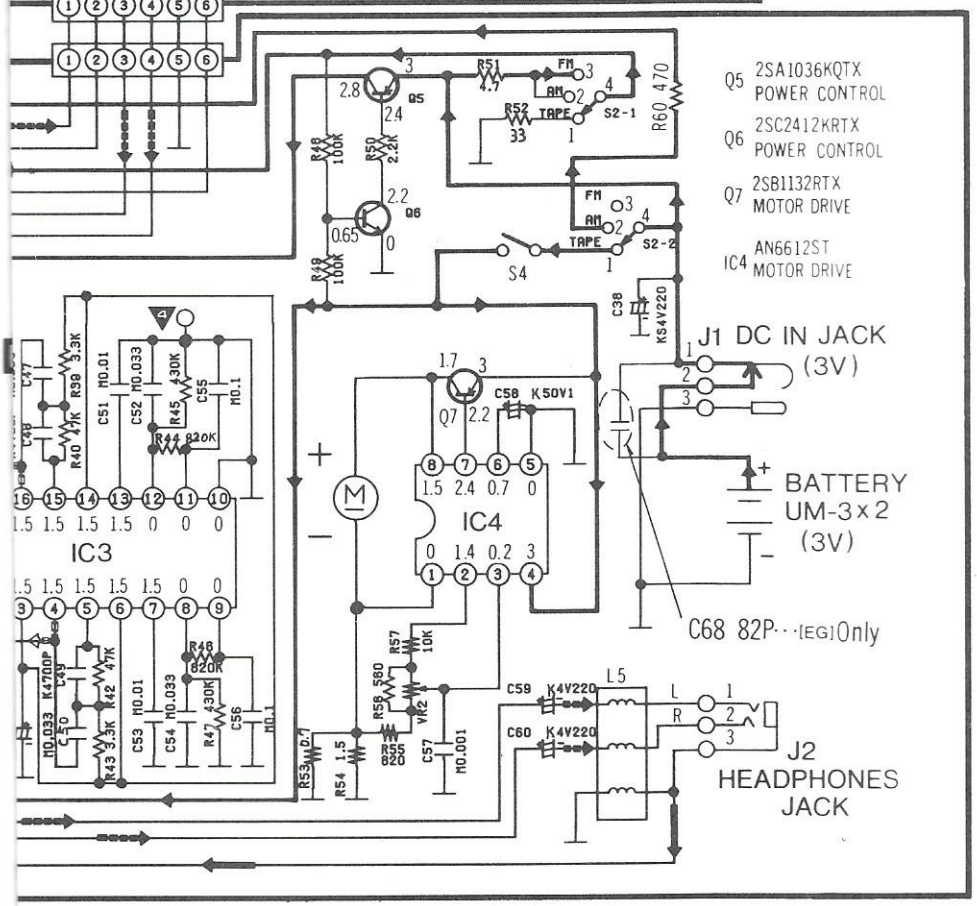
Notes:

- ●S1-1, S1-3, S1-4 : FM sensitivity/TAPE select switch in "DX/NOR" position. (1···DX/NOR, 2···LOCAL/CrO_2 MTL)
- ●S2-1 ~ S2-2 : Function switch in "TAPE" position. (1···TAPE, 2···AM, 3···FM)
- ●S3 : Dolby NR switch in "ON" position. (1···ON, 2···OFF)
- ●S4 : Motor switch in "OFF" position.
- ●S5-1, S5-2 : FWD/REV select switch in "REV" position. (1···REV, 2···FWD)
- ●VR1-1 : Volume control VR (Lch)
- VR1-2 : Volume control VR (Rch)
- ●VR2 : Tape speed adjustment.
- ●VR3 : Playback gain adjustment VR (Lch)
- ●VR4 : Playback gain adjustment VR (Rch)
- ●VR5 ~ 12 : Graphic Equalizer VR (XBS/330Hz/1k
- VR5,6 : XBS
- VR7,8 : 330Hz
- VR9,10 : 1kHz
- VR11, 12 : 10kHz
- ●The mark (▼) shows test point e.g.▼=test po
- ●DC voltage measurement are taken with elect voltmeter from negative terminal of battery.
- □···FM position, ( )···AM position.
- No mark·····Playback position.

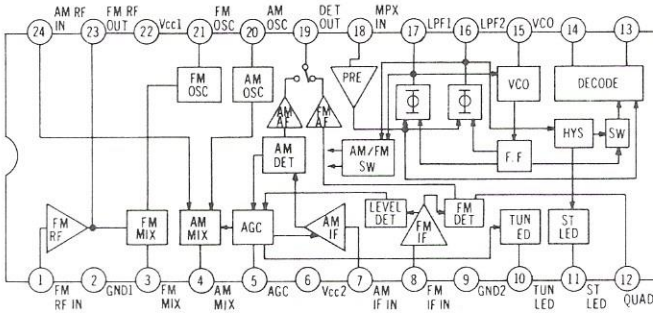
67 150P···(EG) Only

Notes:
- The replacement part for the GRAPHIC EQ BLOCK is supplied only as part of an assembly.
- It is not available indidually.

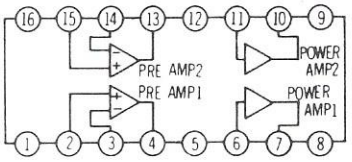




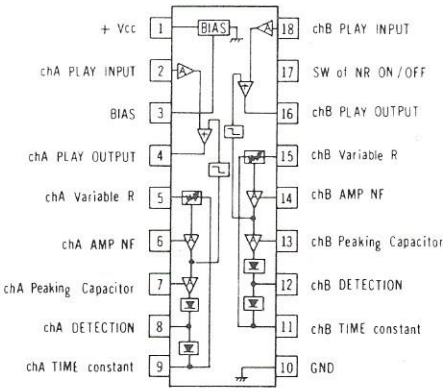
IC1 TA8122AFT



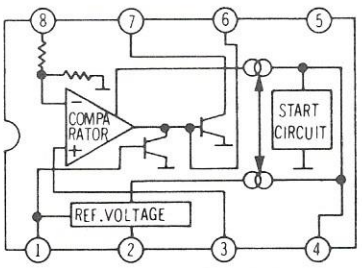
IC2 LA4570MT



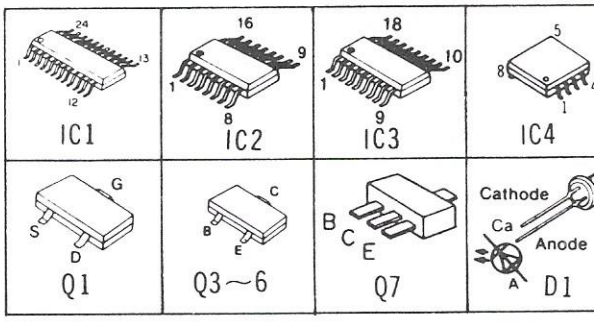
IC3 BA1106FT



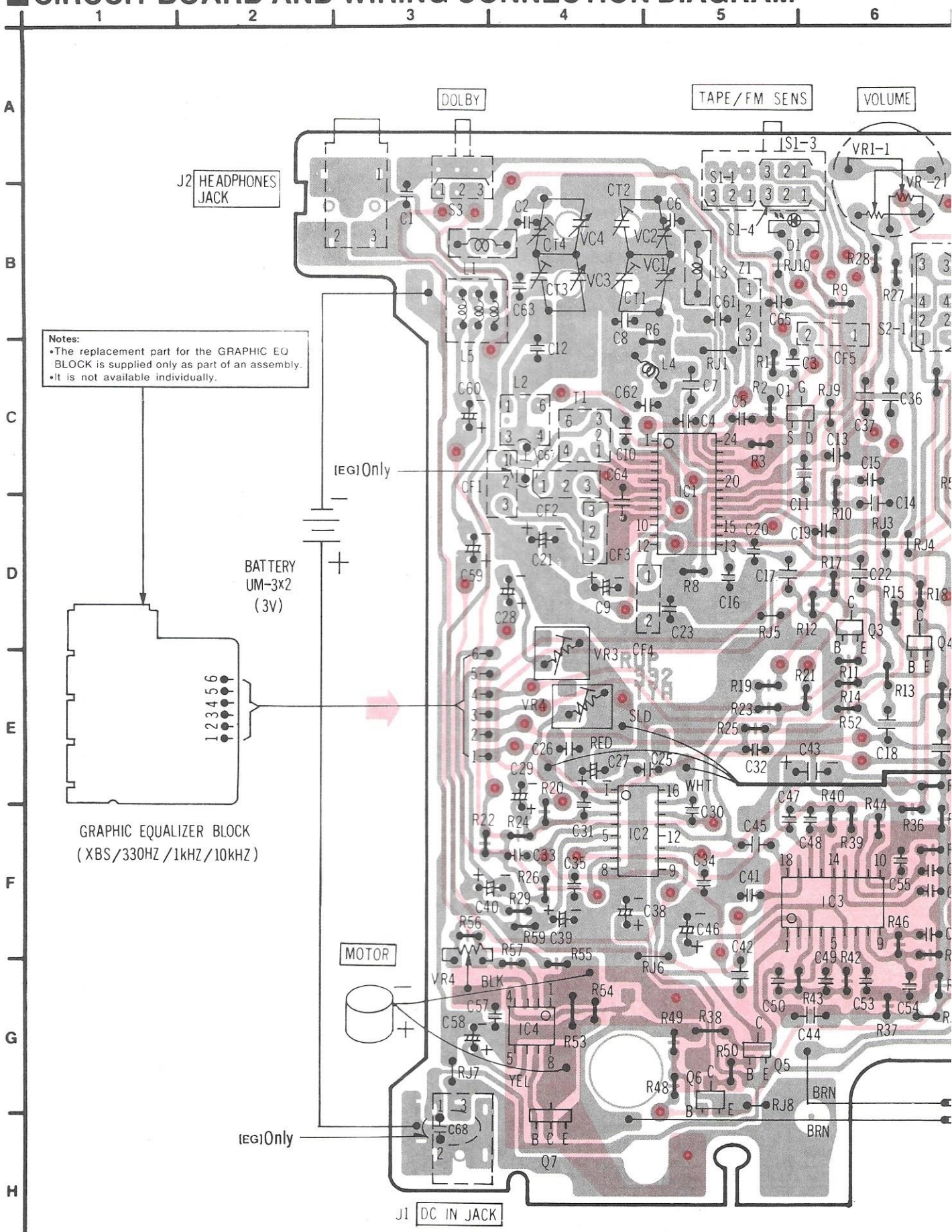
IC4 AN6612ST



- Battery current Volume minimum output (Radio)····· 27mA
  Volume maximum output (Radio)····· 40mA
  Volume minimum output (Tape)····· 160mA
  Volume maximum output (Tape)····· 180mA
  (Radio,74dB 30% Modulation
  Tape, 315 Hz 0dB tape playback)
- +B Voltage Line.
- Playback Signal.
- FM Signal.
- Playback and Radio Signal.



■CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



■ REPLACEMENT PARTS LIST

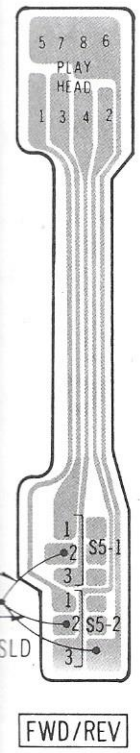
[T] Indicates parts that are supplied by TAMACO.

Ref. No.	Parts No.	Parts Name & Description
	INTEGRATED CIRCUIT, TRANSISTORS AND DIODES	
IC1 [T]	TA8122AFT	I.C. AM/FM RF/IF AMP
IC2	LA4570MT	I.C. PRE/POWER AMP
IC3 [T]	BA1106FT	I.C. DOLBY
IC4 [T]	AN6612ST	I.C. MOTOR SPEED
Q1 [T]	2SK303V3TB	F.E.T.
Q3,4,6	2SC2412KRTX	Transistor
Q5 [T]	2SA1036KQTX	Transistor
Q7	2SB1132RTX	Transistor
D1 [T]	EL1334HD	L.E.D.
	COILS AND TRANSFORMERS	
L1 [T]	RSA003TZA	Ferrite Bar Antenna Ass'y With (Antenna Holder)
L2 [T]	RLO2A010-M	Oscillator Coil AM
L3 [T]	RLO4Y15-2	Antenna Coil FM
L4 [T][E]	RLO4Y19-4	Oscillator Coil FM
L4 [T][EG]	RLO4A001-Z	Oscillator Coil FM
L5 [T]	RLQZ010K-M	RF. Choke Coil
T1 [T]	RLI2A37M-M	I.F.T. AM
	VARIABLE RESISTOR	
VR1 [T]	RVV2H3A14-A	V.R. Volume Control
VR2,3, 4 [T]	RRN3A01B13WA	V.R. Playback/Gain /Motor Speed
	VARIABLE CAPACITOR	
VC1~4 [T]	RCV4LCT6R-M	Tuning Capacitor. W/Trimmer Capacitor (CT1~4)
	CERAMIC FILTER	
CF1,3 [T]	RLFFEHWLZ01D	Ceramic Filter FM
CF2	RVFPFA459A	Ceramic Filter AM
CF4 [T]	RLFDFHZ01D	Ceramic Filter FM
CF5 [T]	RSXZ456KM05	Ceramic Filter FM
	COMPONENT COMBINATION	
Z1	RCRBMT001-H	Component Combination
	SWITCHES	
S1 [T]	RSS2D25ZA-Q	SW, TAPE/FM, SEN
S2	ESD11H230	SW, FUNCTION
S3 [T]	RSS2B54VA-Q	SW, DOLBY
S4	RFA89ZA	SW, MOTOR
S5	RFA90ZA	SW, FWD/REV
	JACKS	
J1	RJJ4301	DC IN Jack
J2	RJJD3S5ZB-C	Headphones Jack
	GRAPHIC EQUALIZER	
E1 [T]	EUWS1UPC1BC5	Graphic EQ Ass'y

■ RESISTORS & CAPACITORS PARTS LIST

[T] Indicates parts that are supplied by TAMACO

Ref. No.	Parts No.	Ref. No.	Parts No.
	RESISTORS		**CAPACITORS**
R1	ERJ6GEYJ105	C1[E]	ECUX1H101KD
R2,9	ERJ6GEYJ151	C1[EG]	ECUX1H470KCD
R3,17,18	ERJ6GEYJ102V	C2	ECUX1H030CC
R6	ERJ6GEYJ472V	C3,5,51,53	ECUX1E103MD
R8	ERJ6GEYJ153V	C4,64 [T]	ECUX1H152MB
R56,59	ERJ6GEYJ561V		
R10	ERJ6GEYJ223V	C6 [T]	ECUX1H180KCN
R11,14	ERJ6GEYJ271V	C7 [T][E]	ECUX1H180KCM
R12,15,48, 49	ERJ6GEYJ104V	C7 [T][EG]	ECUX1H270JCD
		C8 [T][E]	ECUX1H240JCN
R19,20	ERJ6GEYJ182V	C8 [T][EG]	ECUX1H270JC
		C9,28,29	ECEA0GKS330
R13,16	ERJ6GEYJ682V	C10 [T]	ECUX1C473MB
R21,22	ERJ6GEYJ392V	C11,18,24, 36,37,42,45 [T]	ECUX1C105ZFM
R23,24	ERJ6GEYJ822V		
R25,26	ERJ6GEYJ154V	C12 [T]	ECUX1H120KCD
R27,28,36, 37,57	ERJ6GEYJ103V	C13	ECUX1H681KB
		C14 [T]	ECUX1C683MD
R29	ERJ6GEYJ150V	C15,19,23, 55,56 [T]	ECUX1C104MBM
R30,31	ERJ6GEYJ152V		
R32,35,50	ERJ6GEYJ222V	C16,20	ECUX1C153MD
R38	ERJ8GEYJ560V	C17,22 [T]	ECUX1C104MBM
R39,43	ERJ8GEYJ332V	C21	ECEA0GKS471I
		C25,26,30, 31,34,35, 41,57 [T]	ECUX1H102MB
R40,42 [T]	ERJ8GEYJ473		
R44,46	ERJ8GEYJ824		
R45,47 [T]	ERJ8GEYJ434V	C27 [T]	ECEA0GSB101
R51	ERJ6GEYJ4R7V	C32,33,63 [T]	ECUX1C223MB
R52	ERJ6GEYJ330V		
R53 [T]	ERSL39JR70U	C38,39	ECEA0GKS221
R54	ERJ6GEYJ1R5V	C40	ECEA0GK101
R55	ERJ6GEYJ821	C43,44 [T]	ECST0JA225RR
R60	ERJ6GEYJ471	C46 [T]	ECEA0GSB221
		C47,50,52, 54 [T]	ECUX1C333MB
	CHIP JUMPERS		
RJ1,6	ERJ8GEY0R00V	C48,49 [T]	ECUX1H472MB
RJ3~5 7~10	ERJ6GEY0R00	C58	ECEA1HK010
		C59,60	ECEA0GK221
		C61,62[E]	ECUX1H152MB
		C61,62[EG]	ECUX1C473MB
		C67[EG]	ECUX1H151K
		C68[EG]	ECUX1H820KCD



NOTES:

BLK .....Black	ORG .....Orange
BLU .....Blue	PNK.....Pink
BRN.....Brown	RED.....Red
GRY.....Gray	SLD .....Shield Wire
GRN .....Green	VLT.....Violet
L. BLU ....Light Blue	WHT.....White
NIL.....No Color Mark	YEL.....Yellow

Notes:

1. The circuit shown in ( ) on the conductor indicates printed circuit on the back side of the printed circuit board.
2. The circuit shown in ( ) on the conductor indicates printed circuit on the front side of the printed circuit board.
3. The symbols (●) shown in the circuit board indicate connection points between conductors on the front side and back side of the circuit board.
4. ●——●: Chip resistor
5. ●——●: Chip jumper

•This circuit board diagram may be modified at any time with the development of new technology.

ITEM	INPUT	MEASUREMENT POINT	ADJUSTMENT	PROCEDURE
Playback gain	QZZCFM (315 Hz, 0dB)	③···(+)L-CH ④···(–) ⑤···(+)R-CH	VR3 (L-CH) VR4 (R-CH) (Refer to Fig. 6.)	Playback any part of the tape and adjust VR3 and VR4 so that the playback gain is 70±8mV.

•ALIGNMENT POINTS

Please refer to the Circuit Board and Wiring Connection Diagram to locate the test points.

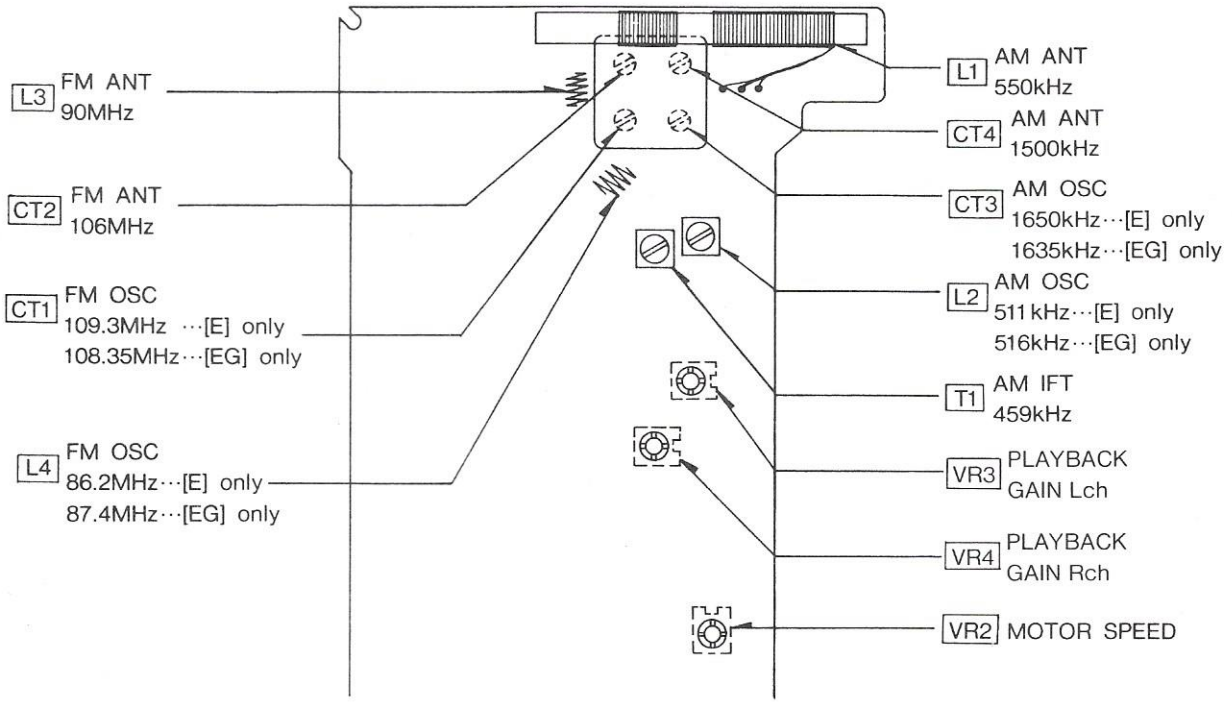

L3 FM ANT 90MHz
CT2 FM ANT 106MHz
CT1 FM OSC 109.3MHz ···[E] only 108.35MHz···[EG] only
L4 FM OSC 86.2MHz···[E] only 87.4MHz···[EG] only
L1 AM ANT 550kHz
CT4 AM ANT 1500kHz
CT3 AM OSC 1650kHz···[E] only 1635kHz···[EG] only
L2 AM OSC 511kHz···[E] only 516kHz···[EG] only
T1 AM IFT 459kHz
VR3 PLAYBACK GAIN Lch
VR4 PLAYBACK GAIN Rch
VR2 MOTOR SPEED

Fig. 1

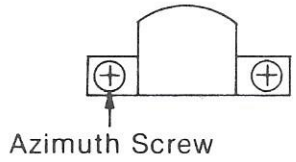


Fig. 2

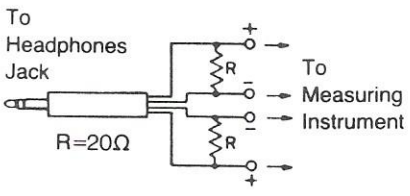
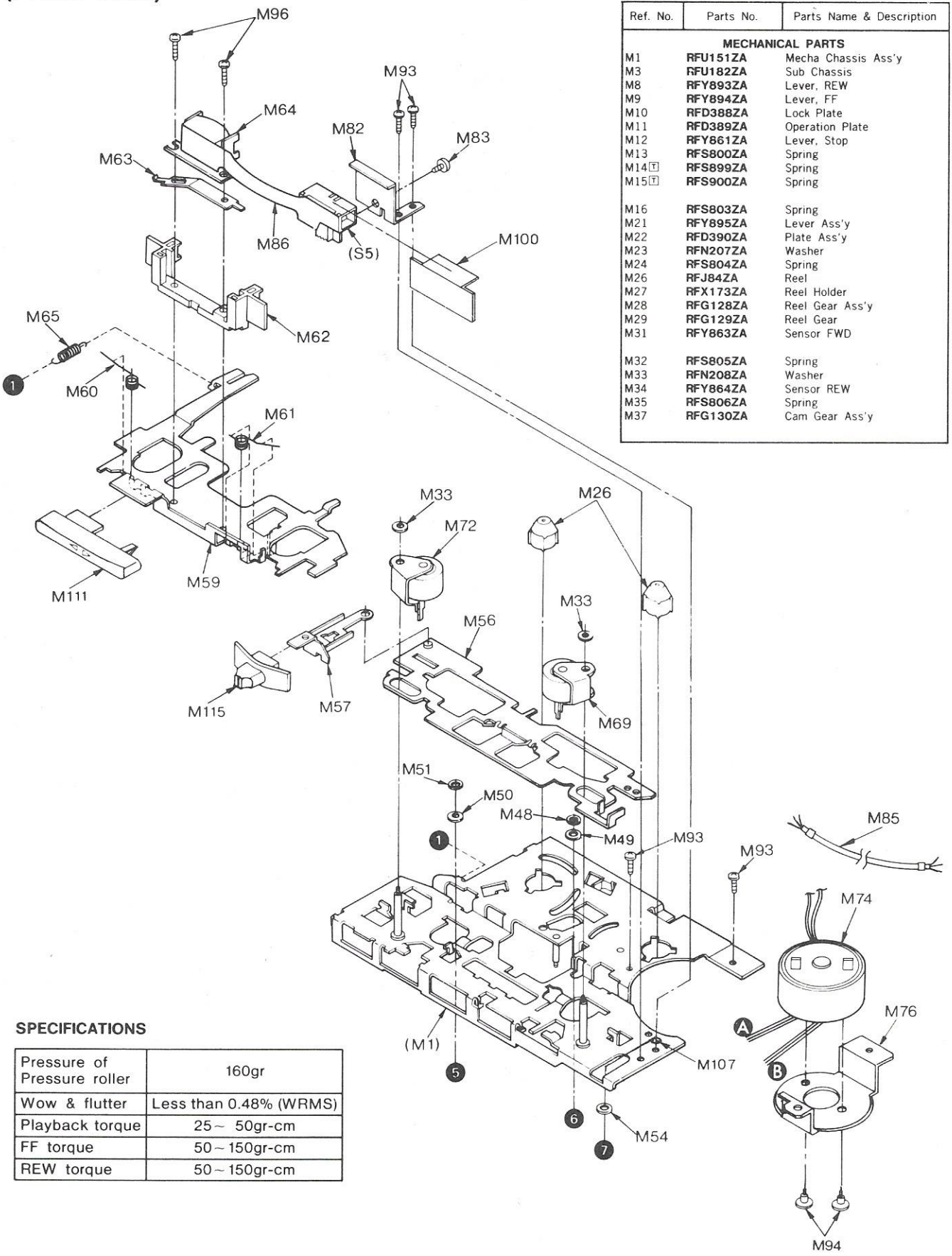


Fig. 3

■ MECHANISM PARTS LOCATION

(Front View)



■ REPLACEMENT PARTS LIST

T Indicates parts that are supplied by TAMACO

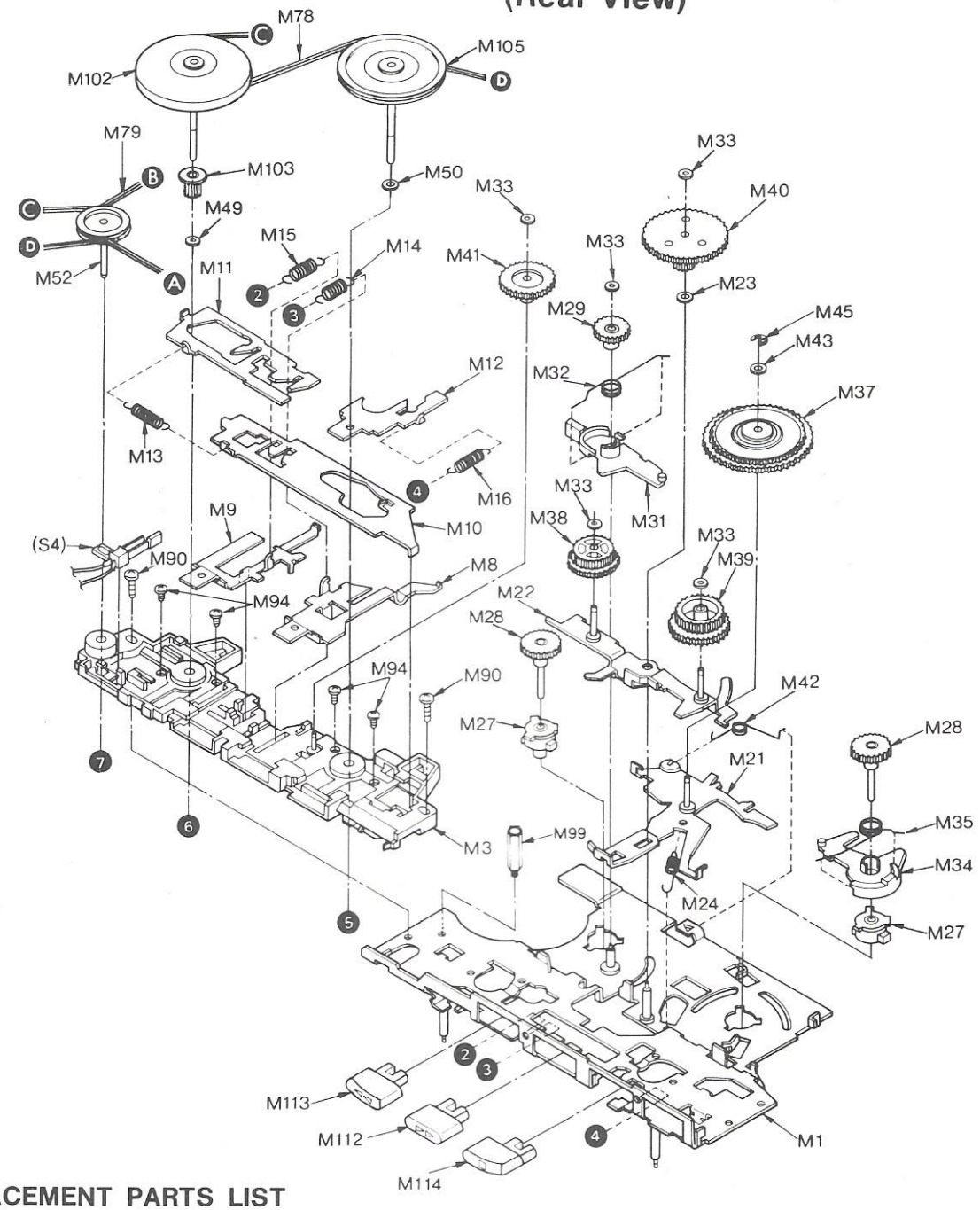
Ref. No.	Parts No.	Parts Name & Description
	MECHANICAL PARTS	
M1	**RFU151ZA**	Mecha Chassis Ass'y
M3	**RFU182ZA**	Sub Chassis
M8	**RFY893ZA**	Lever, REW
M9	**RFY894ZA**	Lever, FF
M10	**RFD388ZA**	Lock Plate
M11	**RFD389ZA**	Operation Plate
M12	**RFY861ZA**	Lever, Stop
M13	**RFS800ZA**	Spring
M14 T	**RFS899ZA**	Spring
M15 T	**RFS900ZA**	Spring
M16	**RFS803ZA**	Spring
M21	**RFY895ZA**	Lever Ass'y
M22	**RFD390ZA**	Plate Ass'y
M23	**RFN207ZA**	Washer
M24	**RFS804ZA**	Spring
M26	**RFJ84ZA**	Reel
M27	**RFX173ZA**	Reel Holder
M28	**RFG128ZA**	Reel Gear Ass'y
M29	**RFG129ZA**	Reel Gear
M31	**RFY863ZA**	Sensor FWD
M32	**RFS805ZA**	Spring
M33	**RFN208ZA**	Washer
M34	**RFY864ZA**	Sensor REW
M35	**RFS806ZA**	Spring
M37	**RFG130ZA**	Cam Gear Ass'y

SPECIFICATIONS

Pressure of Pressure roller	160gr
Wow & flutter	Less than 0.48% (WRMS)
Playback torque	25～ 50gr-cm
FF torque	50～150gr-cm
REW torque	50～150gr-cm

7 8 9 10 11 12

(Rear View)

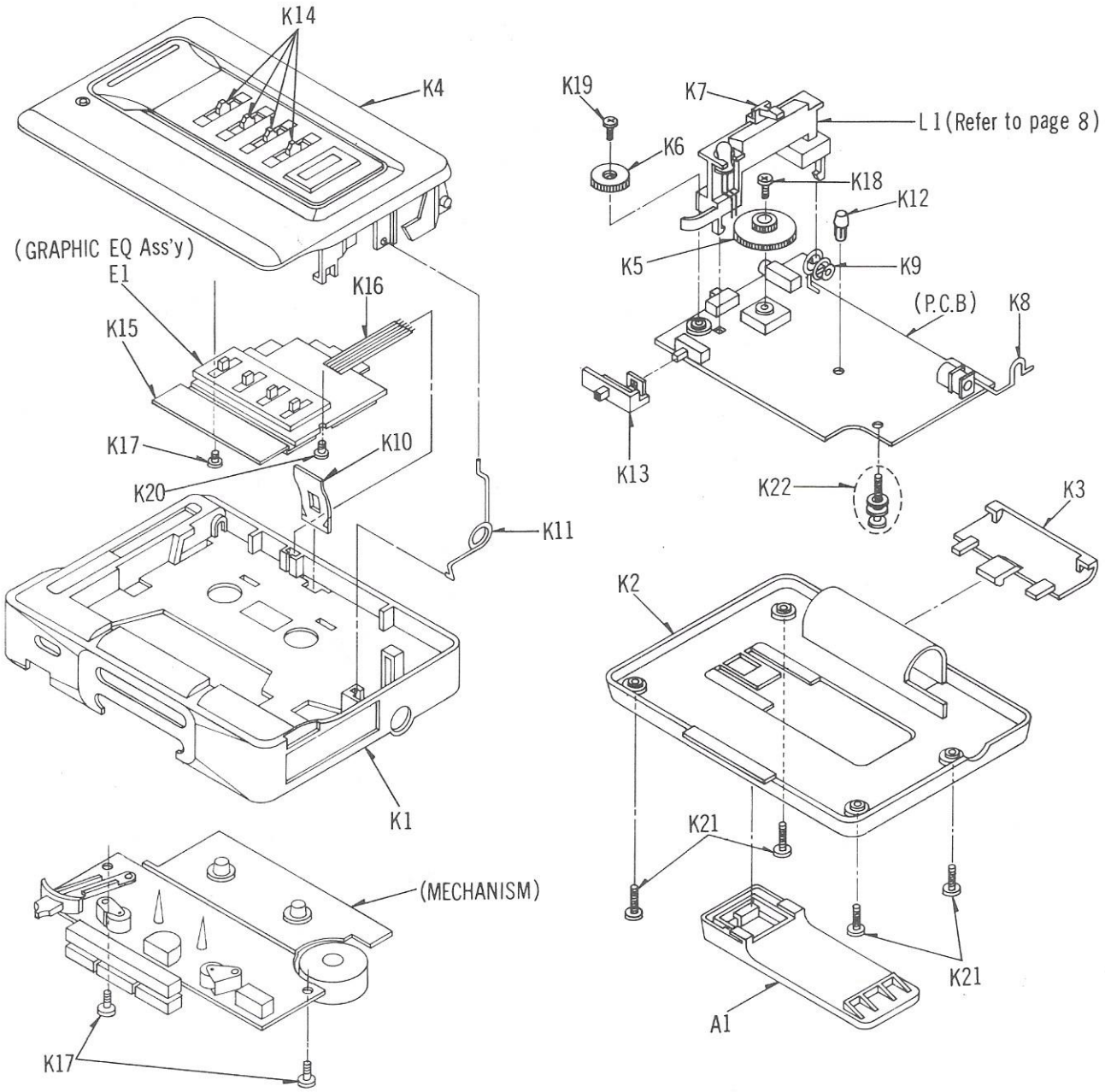


■ REPLACEMENT PARTS LIST

Ⓣ Indicates parts that are supplied by TAMACO.

Ref. No.	Parts No.	Parts Name & Description
M38	**RFG131ZA**	Gear, FF
M39	**RFG132ZA**	Gear, REW
M40	**RFG133ZA**	Gear, Center A
M41	**RFG134ZA**	Gear, Center B
M42	**RFS832ZA**	Spring Turn
M43Ⓣ	**RFE520ZA**	Washer
M45Ⓣ	**RFE521ZA**	E-Ring
M48Ⓣ	**RFN218ZA**	Washer
M49Ⓣ	**RFN220ZA**	Washer
M50Ⓣ	**RFN221ZA**	Washer
M51Ⓣ	**RFN219ZA**	Washer
M52	**RFQ68ZA**	Pulley, Center
M54	**RFN215ZA**	Washer
M56	**RFD391ZA**	Slide Plate
M57	**RFY865ZA**	Lever Direction
M59	**RFU153ZA**	Head Chassis
M60Ⓣ	**RFS901ZA**	Spring
M61Ⓣ	**RFS902ZA**	Spring
M62	**RFE489ZA**	Tape Guide
M63	**RFS810ZA**	Spring
M64Ⓣ	**RBR4CM002F**	Head
M65	**RFS811ZA**	Spring
M69	**RFR55ZA**	Pinch Roller F Ass'y
M72	**RFR56ZA**	Pinch Roller R Ass'y
M74Ⓣ	**RFM178ZA**	Motor Ass'y
M76	**RFD427ZA**	Motor Bracket
M78Ⓣ	**RFB116ZA**	Belt
M79	**RFB113ZA**	Belt
M82	**RFD394ZA**	SW Bracket
M83	**RFE490ZA**	Screw
M85Ⓣ	**RFE536ZA**	Wire Ass'y
M86	**RFT28ZA**	F.P.C.
M90	**RFE492ZA**	Screw
M93	**RFE491ZA**	Screw
M94	**RFE494ZA**	Screw
M96	**RFE495ZA**	Screw
M99Ⓣ	**RFD433ZA**	Shaft
M100Ⓣ	**RMC239TZA**	RMC Shield
M102Ⓣ	**RFF80ZA**	Flywheel Ass'y
M103Ⓣ	**RFG152ZA**	Gear
M105Ⓣ	**RFF81ZA**	Flywheel Ass'y
M107Ⓣ	**RFS903ZA**	Spring
M111Ⓣ	**RBC308TZA**	Button, Play
M112Ⓣ	**RBC309TZA**	Button, FF
M113Ⓣ	**RBC310TZA**	Button, REW
M114Ⓣ	**RBC311TZA**	Button, Stop
M115Ⓣ	**RBS207TZA**	Direction Knob

■CABINET PARTS LOCATION



■REPLACEMENT PARTS LIST

T Indicates parts that are supplied by TAMACO

Ref. No.	Parts No.	Parts Name & Description
	CABINET PARTS	
K1 T [E]	**RKM284TVA**	Front Cabinet
K1 T [EG]	**RKM284TTA**	Front Cabinet
K2 T [E]	**RKF269TWA71**	Rear Cabinet
K2 T [EG]	**RKF269TSA71**	Rear Cabinet
K3 T	**RKK234TZA71**	Battery Cover
K4 T	**RYQQV162EKT**	Cassette Cover Ass'y
K5 T	**RBT255TZA**	Knob Tuning
K6 T	**RBT256TZA**	Knob Volume
K7 T	**RDP247TZA**	Pointer
K8 T	**RJC298TZA**	Battery Terminal (+)
K9 T	**RJC299TZA**	Battery Terminal (−)
K10 T	**RUS262TZA**	Tape Spring
K11 T	**RUS263TYA**	Cassette Cover Spring
K12 T	**RHR284TZA**	Supporter
K13 T	**RBD249TYB**	Tape Selector Knob
K14 T	**RBD244TZA**	EQ Knob
K15 T	**RMX223TZB**	EQ PVC Sheet
K16 T	**WBE6AH**	6P Wire
K17 T	**RHD003TZA**	Screw
K18 T	**XSH17+3**	Screw
K19 T	**XSH14+4**	Screw
K20 T	**XTNR14+3.5CF**	Screw
K21	**XTNR2+10CFZ**	Screw
K22 T	**XYN17+F5FN**	Screw
	ACCESSORY	
A1 T	**RKE210TZA-1**	Belt Clipper
A2	**RP-HT106PY**	Headphones
A3 T	**RQX862TZA**	Instruction Manual
	PACKING MATERIALS	
P1 T	**RPN1471TZA**	Blister (Front)
P2 T	**RPN1472TZA**	Blister (Rear)
P3 T	**RPK530TZA**	Carton Box
P4 T	**RPP424TZA**	Polyethylene Cover

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